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D233/D304

26.2120
26.1120
AUTHOR: Vujic, Miloš, Engineer, Docent
TITLE: Effect of compressor characteristics on turbojet engines
PERIODICAL: Tehnika, no. 2, 1961, 267-275

TEXT: The article discusses the performance characteristics of turbojet engines with centrifugal and axial-flow compressors, with particular emphasis on the specific thrust and specific engine weight. Data presented by the author are based on theoretical principles and on the analysis of statistical data of a small number of turbojet engines in operation up to the middle of the past decade, since that was the period in which the superiority of axial-flow compressors was more or less firmly established. The results presented should, therefore, be considered only as general information on the subject. The comparison between the two types of compressors, made on the basis of the air-handling capacity per unit front-

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tal area, shows indisputably that axial turbojet engines can reach a maximum value of 7.000 kg/sq /m, while engines with centrifugal compressors can attain only a maximum of 3.000 kg/sq /m. Data on the specific thrust, which is the common criterion of jet engine performance, also favor axial-flow compressors. Engines with such compressors have attained a maximum thrust of 90 kg/kg/sec while centrifugal turbojet engines have a specific thrust of only 60 kg/kg/sec; a thrust of 80 kg/kg/sec is exceptional. Data on the specific weight do not actually show the greater efficiency of axial-flow compressors, since both, the axial and centrifugal turbojet engines have a specific weight ranging from 0.2 to 0.5 kg/kg. In the range of smaller thrusts, centrifugal turbojet engines have greater efficiency while in the range from 1.000 to 3.000 kg both types of engines have practically the same performance characteristics. In view of their considerable superiority, the last word on axial-flow compressors in turbojet engines has not yet been said,

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since their development and improvement is still in progress. There are 9 figures and 7 references: 1 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: M. Stephenson, Ten Years of Axial-Flow Jet Engines; H.S. Rainbow, The Design of Small Engines; M.Roy, Power Versus Weight in Aviation; F.H. Keast, Choice of Design for an Advanced Turbojet; W.T.G. Supersonic Turbojet. [Abstracter's note: Since the English-language references are not dated, the "four most recent" could not be established and all 5 of them are quoted.]

ASSOCIATION: Mašinski fakultet Univerziteta u Beogradu (Machine-Building Faculty of Belgrade University)

SUBMITTED: June 1, 1960

Card 3/3

VUJIC, Milos Z., inzinjer, docent honorarni saradnik

Analysis of the efficiency of the compression and intake in jet engines depending on speed. Zbornik rad Mas inst SAN no.70:91-102 '61.

1. Univerzitet u Beogradu i Masi ski institut Srpske akademije nauka i umetnosti.

(Airplanes) (Jet engines)

VUJIC, Milos Z., inzinjer, docent honorarni saradnik

Maximal energy of the jet at optimum pressure ratio, and the dependence of both the energy and ratio on flight conditions. Zbornik rad Mas inst SAN no.70:121-138 '61.

1. Univerzitet u Beogradu i Masinski institut Srpske akademije nauka i umetnosti.

(Airplanes) (Jets)

VUJIC, Milos Z., insinjer, docent, honorarni saradnik

A critical view of some often accepted assumptions in the analysis of the influence of speed and height on the flow through the turbojet engine. Zbornik rad Mas inst SAN no.70:181-194 '61.

1. Univerzitet u Beogradu i Masinski institut Srpske akademije nauka i umetnosti.

(Airplanes) (Gas flow)

VUJIC, MILOŠ Z.

Reaktivni motori. 2. izd. prerađeno i dopunjeno. Beograd, Tehnička knjiga,
1951. 382 p. (Vazduhoplovna biblioteka, 10)
NN Not in DLC

SO: EEAL, Vol. 5, No. 7 July 1956

NESIC, Branislav; MLAKAR, Jelena; CONKIC, Bogoljub ; VUJIC, Pavle

Aerosol lavage and its comparison with other methods in
collecting material for the examination of M.tuberculosis.
Tuberkuloza 15 no.3:376-382 J1-D'63.

1. Institut za tuberkulozy APV, Sremska Kamenica. Direktor:
prof.dr. Stevan Goldman.

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RADOVANOVIC, M.; VUJICA, I.

Problems in the use of natural water in 3 communities of the
Sarajevo district. Med. arh. 19 no.1:17-22 Ja-F '65

1. Institut za higijenu i socijalnu medicinu Medicinskog fakul-
teta u Sarajevu (Direktor: Prof. dr. G. Zarkovic) i Zavod za
zdravstvenu zastitu sreza Sarajevo (Direktor: Dr.E. Turic).

VUJIC, S.; JOVANOVIĆ, M.

"Calculation of Reciprocating Compressors in Refrigerating Machines."
p. 69, (ZBORNIK, 1952/53. Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 4, No. 5, May 1955, Uncl.

VUJICIC, G., dr.

Prevention and control of infectious diseases in Serbia from
1945-1951. Bibl. Hig. inst. Srbije No.2:1-256 1953.
(COMMUNICABLE DISEASES, prev. & control
in Yugosl.)

KOCIC, Julijana, inz., asistent (Novi Sad, Tehnoloski fakultet)
VUJICIC, Ivica, dr, docent

Modification of the fractionation process in the nitrogen
substances of cheese in order to determine nitrogen
according to micro-Kjeldahl technique. Tehnika Jug 18 no.
12: Supplement: Prehran ind 17 no. 12: 2315-2318 D '63

1. Tehnoloski fakultet u Novom Sadu (for Kocio).
2. Poljoprivredni fakultet u Novom Sadu (for Vujicic).

VUJICIC, Ivica, dr. ing. assistant prof. (Novi Sad)

Method for the regulation of moisture loss in Trappist cheese during salting process. Tehnika Jug 16 no.10:1862-1863 0 '61.

1. Faculty of Agriculture of the University of Novi Sad.

VUJICIC, K.

VUJICIC, K. Extraordinary weather phenomena in Yugoslavia, April-June, 1955. p. 107

Vol. 4, No. 3/4, July/Dec. 1955
VESNIK
SCIENCE
Beograd

So: East European Accession, Vol. 6, No. 3, March 1957

*American Meteorological
Society*

Methods of Observations

3.11-33

551.54.7

Vujicic, Kobiljka, Rad otkrivanja aeroloske klimatologije aeroloske opservatorije
SUHMSu Beogradu. (Work of the aerological-climatological department of
the aerological observatory SUHMS (Union Management of the Hydrometeorological
Service), at Belgrade.) 3:97-99, 1950. In Serbian. DWS-The pilot balloon
and nephoscope observations made at Yugoslavian stations were checked and
tabulated and the aerological characteristics determined. The important
problem was the investigation of the dynamics of the air flow over
Yugoslavia. However, a shortage of pilot balloons, hydrogen, and
experienced observers caused many difficulties. In the summer of 1950
the observatory started photographic observations of the clouds.
Subject Headings: 1. Aerological observations 2. Yugoslavia. N.T.Z.

VUJICIC, L.

"Productivity of Machinery and the Utilization of Raw Materials" p. 326
(SUMARSKI LIST, Vol. 77, no. 7/8, July/Aug. 1953, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

VUJICIC, L.

Development of the furniture industry in Yugoslavia after World War II Pt. 1
P. 301.

PRZEMYSŁ DRZEWNY (Stowarzyszenie i Technikow Lesnictwa i Drzewnictwa)
Warszawa, Poland
No. 4, April 1959

Monthly list of East European Accession Index (EEAI), LC Vol. 8, No. 11
November 1959
Uncl.

VUJICIC, L.

The development of the furniture industry in Yugoslavia after World War II.
Pt. 2. Tr. from the Serbo-Croatian. p. 336.

PRZEMYSŁ DRZEWNY. (Centralne Zarządy Przemysłow: Drzewnego, Meblarskiego, i
Lesnego i Stowrżyszenie Inżynierow i Technikow Lesnictwa i Drzewnictwa)
Warszawa, Poland. No. 5, May 1959.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9, September,
1959. Uncl.

VUJICIC, Veljko A. (Beograd)

Identifying the trajectory of a particle of the variable mass
as autoparallels. Zbornik rad Mat inst SAN 69:151-156 '60.
(EEAI 10:8)

(Dynamics) (Calculus of tensors)
(Spaces, Generalized)

Distr: 473(a)

10.4.41

551.5.061.3 2 551.506.7 (497.1)

Vujilic-Gamser, K. Razvoj aerološka služba. [Development of the Aerological Service.] *Yugoslav. Hidrometeorološka Služba, Vesnik*, 6(1/2):34-40, 1957. DWB—The first upper-air observations in Yugoslavia were made more than half a century ago at Bjelašnica Mountain Observatory; during World War I; pilot balloon measurements were made by both the Austro-Hungarian and French forces. Routine pilot balloon observations were started in 1924 at 4 stations and by 1941 the number of stations was 20. At present 33 daily pilot balloon ascents are being made at 14 stations and radiosonde ascents at 3 stations. Activities of the Aerological Service comprise: (1) Aerological measurements (pilot balloon, nephoscope and radiosonde); (2) Observation of general weather development and of unusual phenomena, and cloud photography; (3) Collection and checking of observations and control of measurement at the stations; (4) Data analysis and publication and (5) Participation in the WMO Aerological Commission and in IGY. Each of these activities is discussed and future plans are outlined. *Subject Headings:* 1. Yugoslav aerological service 2. Yugoslav participation in IGY 3. Yugoslavia.—G.T.

August 3, 1959

MILANOVIC, D.; sanitetski pukovnik, dr.; VUJISIC, D., sanitetski pukovnik,
dr.; ERCEGOVAC, N.; sanitetski pukovnik, dr.; CERNIC, M.; sani-
tetski potpukovnik, docent, dr.

Experience with the treatment of combined injuries of internal
organs. Vojnosanit. pregl. 21 no.11:744-747 N '64

KAZMIN, Vjeoslav, Pukovnik prof., dr.; VUJISIC, Dragutin, major dr.

Osteochondroma femoris et pelvis permagnum. Voj. san. pregl.,
Beogr. 13 no.1-2:67-68 Jan-Feb 56.

1. Hirurska klinika VMA.

(OSTEOMA,

femur & pelvis (Ser))

(FEMUR, neoplasms,

osteoma, femoro-pelvic (Ser))

(PELVIS, neoplasms,

same)

COUNTRY : YUGOSLAVIA H
 CATEGORY : Chemical Technology. Chemical Products and
 Their Applications, Food Industry.
 ABS. JOUR. : RZKhlz., No. 23 1959, No. 83921
 AUTHOR : Vujicic, I.
 INST. : -
 TITLE : Cheese Mite in Cheese and Casein

ORIG. PUB. : Mljekarstvo. 1958, 8, No 2, 36-38

ABSTRACT : To combat cheese mites, in addition to the mechanical cleaning of cheese, it is washed with concentrated NaCl solution, with a mixture of alcohol and CS₂ (20 : 1) or with a 0.07% solution of dichloroethyl or dichloromethyl ether. Cheese mite may be destroyed by the immersion of cheese into water for several seconds at 65° temperature. For the prevention of infection of cheese with mite it is recommended that cheese be stored at a temperature < 10° and at a relative humidity of < 80%.
 -- Z. Lebedev.

CARD: 1/1

VUJICIC, Veljko, asistent. (Beograd, Studentski trg 3)

Some integrals of the equations of the movement of dynamically changeable bodies. Tehnika Jug 17 no.4:617-620 Ap '62.

1. Katedra za mehaniku i astronomiju Prirodno-matematickog fakulteta Univerziteta u Beogradu, Beograd.

VUJICIC, Veljko, A. (Beograd)

Motion of a dynamically variable point in conformal space.
Ves mat fiz Srb no.12:77-82 '60.

VUJOSEVIC, Krsto, sanitetski potpukovnik dr.

Some forensic aspects of epilepsy in the army. Vojnosanit. pregl.
22 no.11:701-703 N '65.

YUGOSLAVIA

Ljubomir PASOVIC, Vera DJAJA and Milorad VUJOSEVIC, Second Surgical
Clinic (II hirurska klinika) Head Prof Dr Voislav STOJANOVIC, Medical
Faculty of University of Belgrade.

"Benign Pulmonary Tumors."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 11, Nov 62;
pp 1039-1049.

Abstract [German summary modified]: Discussion of published data, and
review of authors' cases: 1 each of pulmonary fibrolipoma, chondroma,
adenoma, 2 pulmonary fibromas and an endobronchial adenoma. Six case
reports, 22 Western and 2 Yugoslav (both "in press") references.

1/1

BEK-UZAROV, Dorde (Beograd, Cvijiceva 63/90); HADZISEHOVIC, Munevera;
PALIGORIC, Dragica; VUJISIC, Branislav

Measurements of the beta radioactive sources in the Boris
Kidric Institute at Vinca. Tehnika Jug 17 no.11:Suppl.:
Radioizotopi zrac 1 no.11:2051-2056 N '62.

1. Saradnici Instituta za nuklearne nauke "Boris Kidric",
Beograd-Vinca.

VUJICIC, V.A.

Correlation of the Pfaff-Bilimovic principle with the other principles of mechanics. Publ Inst math SANU 1(15):15-23 '61 [publ. '62].

JUZNIC, M.; VUJISIC, D.; JASOVIC, M.

The role of catheterization and angiocardiology in the diagnosis of congenital heart defects. Acta chir. Jugosl. 9, no. 1: 1-16, '61.

1. Hirurska klinika Vojnomedicinske akademije u Beogradu (Nacelnik gen. prof. dr I. Papo).

(ANGIOCARDIOGRAPHY) (HEART CATHETERIZATION)
(HEART DEFECTS CONGENITAL diag)

VUJKOV, Stevan, Dipl. chem.

A new process in manufacturing washing powders. Kem ind 12
no.2:65-66 Fe '63.

1. "Albus", fabrika sapuna i hemijskih proizvoda, Novi Sad.

DORDJEVIC, Slobodan; VUJKOVIC, Petar

Use of relaxants in the extraction of large enclaved foreign bodies
in the esophagus. Srpski arh. celok. lek. 89 no.12:1465-1470 D '61.

1. Otorinolaringoloska klinika Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr Srecko Podvinec.

(ESOPHAGUS for bodies) (MUSCLE RELAXANTS ther)

STOJILJKOVIC, Srboljub, doc., dr.; POLEKSIC, Jeko, dr.; VUJKOVIC, Petar, dr.;
MILOVANOVIC, Dimitrije, dr.; STANOJEVIC, Natasa, dr.; POPOVIC,
Milan, dr.

Modern non-convulsive electric shock therapy of mental disorders.
Med. glasn. 14 no.12:543-547 D '60.

1. Neuropsihijatrijska klinika Medicinskog fakulteta u Beogradu
(Upravnik: prof. dr U. Jekic).

(SHOCK THERAPY ELECTRIC)

VUJNOVIC, M.

"Theory of automatic control and automatic controllers" by M.V.
Meerov [Meyerov, M.V.] and V.G. Dianov. Reviewed by M. Vujnovic.
Energija Hrv 13 br.3/4:132 '64

VUJNOVIC, M.

"Problems of automation and relaying in electric power systems."
Reviewed by M. Vujnovic. Energija Hrv 13 no.5/6:198 '64.

"Electromagnetic waves" by H.H. Meinke. Reviewed by M. Vujnovic.
Ibid.: 198 '64.

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"Lexicon of High Frequency, Broadcasting, and Electrical Engineerings" by
C. Rint. Reviewed by M. Vujnovic. Energija Hrv 10 no. 9/10:346 '61.

VUJNOVIC, Momir, inz. (Zagreb)

Methods of detecting and signaling the freezing of transmission lines. Energija Hrv 12 no.5/6:141-147 '63.

1. Institut za elektroprivredu, Zagreb, Proleterskih brigada 37.

VUJNOVIC, Momir

"Collected works of the Yugoslav Seminar on Regulation, Measurements,
and Automation, 1963." Vol.1. Reviewed by Momir Vujnovic. Energija
Hrv 12 no.5/6:188 '63.

VUJNOVIC, M., inz.

"Ferromagnetism" by E. Kneller. Reviewed by M. Vujnovic. *Žnergija*
Hrv 11 no.11/12:416 '62.

VUJNOVIC, M., dipl. inz.

"Connecting systems in electric power engineering" by Z. Vistricka. Pt.2. Reviewed by M.Vujnovic. Energija Hrv 12. no.11/12: 382 '63.

WUJNOVIC, M., inz.

"Handbook on high-frequency technique" by H. Meinke and F.W. Gundlach. 2d ed. Reviewed by M. Vujnovic. Energija Hrv 11 no.7/8:256 '62.

VUJNOVIC, M., inz.

"Handbook on the preparation of information" by K. Steinbush. Reviewed
by M. Vujnovic. Energija Hrv 11 no.11/12:416 '62.

VUJNOVIC, M.

"Signal transmission by distributing electric networks" by B.
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Hrv 13 no.7/8:266 '64.

VIJNOVIC, Momir, dipl. inz. (Zagreb)

Measuring the noise in power transformers. Energija Brv 13
no.7/8:216-223 '64.

1. Institute of Electric Industries, Zagreb, Proleterskih
brigada 37.

VUJINOVIC, Vladis (Zagreb)

Dissolution of hydrogen spectral lines at higher ion densities. Glas
mat fiz Hrv 19 no.1/2:97-110 '64.

1. Institute of Physics of the University of Zagreb, Zagreb.

VUJNOVIC, Vladis

Interior of the sun in the laboratory. Zemlja i svemir 5
no.4:90-92 '62.

VUJNOVIC, Vladis

What is the extent of solar atmosphere? Zemlja i svemir 5
no.1:10-12 '62.

VUJOSE VIC, J.

- Belgrade, Acta Veterinaria, Vol II, No 2, 1961
1. Polypeptide Purification by Use of Micro-Yeast
J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute for Laboratory and Institute of Physiology
and Physiology, Belgrade; (English Summary)
pp 8-8.
 2. Effect of Treatment on the Thyroid
N. J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute of Physiology, Belgrade; (English Summary)
pp 9-15.
 3. Vascular System of Liver in Gallus domesticus
O. J. VUJOSEVIC, N. J. VUJOSEVIC, A. J. VUJOSEVIC
Belgrade; pp 17-37.
 4. Stimulating Chickens against Newcastle Disease by
Administering Vaccine in the Pre-laying Period
L. J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute of Physiology, Belgrade; (English Summary)
pp 38-44.
 5. Bacteriologic Content of Center Area of Eggs and for
Shoulder-Cuts containing Pathogenicity at 65 C.
for 20 Minutes; J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute of Physiology, Belgrade; pp 37-44.
 6. Transmission of Nasal Trichomonads of Pigs to the
Obstetric Clinic; J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Obstetric Clinic, Veterinary Faculty, Belgrade;
(English Summary) pp 45-50.
 7. Effect of Excluding Venous Outflow of Uterine Vessels on
the Function of the Ovary; D. J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Obstetric Clinic, Veterinary Faculty, Belgrade;
(English Summary) pp 51-56.
 8. Effect of Ultrasound and Some Antiseptics on Trichomonads
Genitalia and Eggs of Foxglove Genus A. J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute of Physiology, Belgrade; pp 57-70.
 9. Fungal Fungi of Hygiene in Liver and Lake Spills in
Serbia; B. J. VUJOSEVIC, A. J. VUJOSEVIC, A. J. VUJOSEVIC
Institute of Physiology, Belgrade; pp 71-76.

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VU JOSEVIC, J.

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- Belgrade, Veterinarski Glasnik, Vol 15, No 11, 1961 (cont.)
11. Spaces and Criteria for Setting the Level of Personal Income of Veterinary Specialist on Large Agricultural Farms S. JERIC; pp 611-623.
 12. "Our Experiences With Treatment of Diabetes in the Bloodstream of Cows During Artificial Insulinization J. VUKOSAVIC and S. JERIC; pp 623-624 (Clinical Summary) (Klinicka iskusnost u veštaickom insulinskom lecenju dijabetesa) Veterinarski Glasnik Belgrade; pp 623-624 (English Summary)
 13. "Our Experiences in the Treatment and Prevention of Infectious Lameness of Sheep N. JONOV; pp 641-645.

Institut za Mikrobiologiju Veterinarskog Fakulteta.

VUJNOVIC, Vladis

The Vogt-Russell theorem on the theory of star structure.
Zemlja i svemir 6 no.2:40-43 '63.

VIJNOVIC, Vladis

What is the Hertzsprung-Russell diagram. Zemlja i svemir
6 no.1:18-20 '63.

KAPOR, Gojko. sanitetski pukovnik docent, dr.; DORDEVIC, Dragojub,
sanitetski potpukovnik, dr.; VUCOJEVIC, Krsto, sanitetk.
potpukovnik, dr.

Psychiatric aspects of absence without leave by the military
personnel. Vojnosanit. pregl. 22 no.1:7-10 Ja '65.

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by Protozoa

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12285.

Author : Vu Josevic, I.

Inst :

Title : Comparative Test Reports of Certain Media in the
Diagnosis of Trichomonosis in Bulls.

Orig Pub: Veterinaria (Jugosl.), 1956, 5, No 2-3, 376-380.

Abstract: Tests were made of trichomonades survival time in prepuccial washings, which were all carried out on the same bulls afflicted with trichomonosis, namely, with the physiol. solution (I) prepared ex tempore; with the "elective liquid" according to Dirnhofner (II); and with the glucophosphatic dilutor according to Milovanov (III). The mean survival time of trichomonades in I and III was 3 days, and in II, 8 days. II also has

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YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by Protozoa.

Abs Jour: Ref Zhur-Biol , No 3 1958, 12285

the advantage of keeping its effectiveness for 3 months. Presence of urine and feces cuts the time of the trichomonades survival in tests sharply, regardless of the liquid used for washings.

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YUGOSLAVIA

VUJOSEVIC, J.; DJURICKOVIC, S.; and PETROVIC, Z., Clinic for Obstetrics
(Klinika za Porodiljstvo) [College of Veterinary Medicine, Belgrade]

"Experimental Infection of the Nasal Cavity of Swine with Trichomonads
From the Nasal Cavity of Piglets and Trichomonas Genitalls (Mazzanti 1900)"

Belgrade, Acta Veterinaria, Vol 16, No. 3, 1966; pp 209-215

Abstract [English summary modified]: Study in 12 piglets aged 3 to 4
weeks artificially inoculated with trichomonads from the genital tract
of cows or with trichomonads from nasal cavity of other piglets. Results
indicate that both nasal and vaginal bovine trichomonads as well as even
intestinal trichomonads in swine may all be essentially the same parasite
and able to adapt themselves to any of those locations. 2 Yugoslav, 11
Western references. Manuscript received 5 Sep 65.

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VUJOSEVIC, Krsto, sanitetski potpukovnik, dr.; KAPOR, Gojko, sanitetski pukovnik, dr.

Patterns of alcoholism and the premorbid personality of alcoholics in the army. Vojnosanit. pregl. 21 no.12:771-774 D'64.

VUJOSEVIC, Krsto, sanitetski potpukovnik dr.; KANDIC, Branko, sanitetski
pukovnik doc. dr; GRBESA, Branko, sanitetski potpukovnik doc. dr.

Neurological and psychic disturbances after cardiac arrest during
general anesthesia. Vojnosanit. pregl. 19 no.10:704-706 0 '62.

(HEART ARREST) (ANESTHESIA, INHALATION)

(NEUROLOGIC MANIFESTATIONS) (MENTAL DISORDERS)

VUJOSEVIC, Krsto, sanitetski potpukovnik, dr.; BORDEVIC, Dragoljub,
sanitetski major dr.

A case of adolescent schizophrenic psychosis following head
injury. Vojnosanit Pregl. 20 no.11:723-725 N '68.

VUJOSEVIC, Krsto

Wallenberg's syndrome. Some observations on the etiology, course and variants with 6 case reports. Med. pregl. 18 no. 3:109-112 ' 65.

1. Klinika za zivcane i dusevne bolesti VMA, Beograd
(Nacelnik Klinike: Sanitetski pukovnik prof. dr. Branko Kadic).

VUJOSEVIC, Luka, asistent (Beograd, 27. marta 80)

Deviation center of a rigid body with variable mass in
relation to the axis and its dynamic meaning. Tehnika
Jug 18 no. 8: 1407-1410 Ag '63.

1. Masinski fakultet Univerziteta u Beogradu.

STOJANOVITCH, R. [Stojanovic, R.]; VUJOSHEVITCH, L. [Vu Josevic, L.]

Couple stress in non-Euclidean continua. Publ Inst math SANU
2(16):71-74 '62 [publ. '63]

1. Department of Mechanics, Faculty of Sciences, University
of Belgrade (for Stojanovic). 2. Department of Mechanics,
Faculty of Mechanical Engineering, University of Belgrade
(for Vu Josevic).

RASOVIC, Ljubomir; DJAJA, Vera; VUJOSEVIC, Milorad; ISVANESKI, Milorad

Pulmonary fibroma. Srpski arh. celok. lek. 90 no.6:589-598
Je '62.

1. II hirurska klinika Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Vojislav Stojanovic. Patoloski
institut Medicinskog fakulteta Univerziteta u Beogradu
Upravnik: prof. dr. Zivojin Ignjacev.
(LUNG NEOPLASMS) (FIBROMA)

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VUJOSEVIC, T.

"Health institutions for social security." p. 32. (Socijalna Politika. Vol. 3, no. 6, June 1953. Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

ANTIC, R.; DORDEVIC, B.; VUJKOVIC, P.; DELOVSKI, D.; KUZMANOVIC, B.;
LALIC, M.; MEDEDOVIC, V.; STANKOVIC, R.

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subendocardial, clin. manifest. & ECG. (Ser))

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5. "The Substance of Nicotine and Aconite in case of Carcinomas and the Carcinomas brought into the Organism while smoking," R. Vukovic, M. Stokich and S. Radulovic, of the Institute of Pharmacology and Toxicology of the Pharmaceutical Faculty in Belgrade (Abstract in the Pharmacological Journal of the Yugoslav Academy of Sciences and Arts, pp. 171-176).
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1/2

VUJOVIC, B.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees:

Affiliation: Institute for Toxicological Chemistry of the Pharmaceutical
Faculty (Institut za toksikolosku hemiju Farmaceutskog
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xxxxxxx

Source: Belgrade, Arhiv za Farmaciju, No 2, 1961, pp 123-127.

Data: "Influence of Ptomaines on the Sensitivity of the Specific Reactions
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VUJOVIC, B.

Promaine characteristics and methods of alkaloid separation
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0 '64.

1. State Secretariat of Internal Affairs of Yugoslavia, Belgrade.

VUJOVIC, Milisav, inz. (Cacak, Hajduk Veljkova 4/III)

Dyeing in an electric field. Tehnika Jug 19 no. 2:Suppl.:
Elektrotehnika 13 no. 2:319-322 F '64.

VUJOVIC, Milisav, inz.

Transportation in foundries. Tehnika Jug 18 no.9:Suppl.:Organizacija rada 13 no.9:1786-1788 S '63.

1. "Remont", Cacak.

VUJOVIC, Vladimir, ing.

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Industries of Yugoslavia. Masinogradnja 1 no.1:7-8 F '68.

VUJTA, V.

Measuring spherical surfaces of tapered rollers for antifriction bearings by optical spherical gages. p. 301.

JEDNA MECHANIKA A OPTIKA. (Ministerstvo vseobecniho strojirenstvi) Praha, Czechoslovakia.
Vol. 4, no. 9, Sept. 1959

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

25(6)

CZ/30-59-9-4/20

AUTHOR: Vujta, Vlad., Engineer

TITLE: The Control of Tapered Bearing Rollers With Optical Spherical Gauges

PERIODICAL: Jemná Mechanika a Optika, 1959, Nr 9, pp 301 - 303 (ČSR)

ABSTRACT: The author describes a new method for more effective control of the global surfaces on tapered rollers, shown in Figure 1, with control gauges. It is suitable for verification of the geometrical shape of the tapered surface. Controls are possible at monochromatic light as well as at day light, however, only highly finished surfaces can be measured. This method, suggested by Výzkumný Ústav pro Válciva Ložiska (Research Institute for Tapered Roller Bearings) in Brno, was tested by Ústav pro Výzkum Optiky a Jemná Mechaniky (Institute for Research of Optics and Precision Mechanics) in Přerov. The optical spherical gauges, used in the tapered roller bearing industry, were produced in the "Meopta" People's Enterprise in Přerov. Control of a tapered roller with an optical gauge is illustrated in Figure 2. Method of controlling a tapered roller with a gauge too large is shown in Figure 3 and with a gauge too small in Figure 4. Arnulf's formulae (2) and (3) are applied for evaluating the control results. This control method showed that the

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02/30-59-9-4/20

The Control of Tapered Bearing Rollers With Optical Spherical Gauges

global tapered roller surfaces are not exactly spherical and surfaces with 3, 4, 5, 6 or 7 climaxes, as shown in Photographs 1 - 5, were found. The measuring inaccuracy $U_{\Delta R}$ is calculated with the aid of the formula

$$U_{\Delta R} = \pm 4 \frac{\lambda}{\lambda^2} \Delta K, \quad (5),$$
 in which λ stands for wave length of light and

ΔK is the degree of inaccuracy of interference circle determination. Similar results were obtained by applying this method to the control of barrel-shaped rollers.

There are: 4 diagrams and 5 photographs.

ASSOCIATION: VUWL (Research Institute for Tapered Roller Bearings), Brno.

SUBMITTED: April 15, 1959

Card 2/2

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SOURCE: East European Accessions List (EEAL) Library of Congress,
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Automatic separator Roto I. Nova technika no.7:323-325 '60.

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1ST AND 2ND EDITIONS																										3RD AND 4TH EDITIONS																									
A-Z													0-9													A-Z													0-9												
<p>PROCESSES AND PROPERTIES INDEX</p> <p>A comparison of the production of artificial cryolite from aluminum hydroxide and from sodium aluminate from the economic standpoint. D. Vuk. <i>Legbia Metal</i> 2, No. 1, 192-4(1993). Chem. Zvezr. 1933, 11, 1422. M. O. M.</p>																																																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										TENS AND 4TH CRYSTAL									
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<p>Sodium content of milk of various species. M. Vuk and Z. VON SANDON (Meatg. Kutat., 1937, 10, 205-207).—Average Na contents of milks deter- mined by the Mg U acetate method were: cow 0.0296, sheep 0.0398, goat 0.0258, and human 0.00353%. W. L. D.</p>																													
<p>ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
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COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										TENS AND 4TH CRYSTAL									

COMMON ELEMENTS		PROCESSING AND PROPERTIES INDEX	
MATERIALS INDEX	COMMON ELEMENTS	<p>Improvement of the baking capacity of cereal flours. M. Vix and S. Goussier. Hung. 101,845, Nov. 12, 1929. A paste-like pulp is formed of the flour with water. This pulp is kept at a temp. higher than that at which albumins coagulate (drying, however, is avoided) until the outlines of starch particles begin to fade under the microscope. Then it is dried at a temp. lower than that of caramelization and is ground to dust. Of this product 4-6% is added to flours to improve them.</p>	
		<p>12</p>	
<p>ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>		<p>FROM SCHWAB</p>	

VUKS, M.F.; ATAKHODZHAYEV, A.K.

Use of scattering line widths in determining the time of orientational relaxation in various liquids, Dokl. AN SSSR 109 no.5:926-928 Ag. 1956.
(MLRA 9:10)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.
Predstavleno akademikom A.S. Lebedevym.
(Light--Scattering) (Liquids--Optical properties)

PROCESS AND PROPERTIES INDEX																									
1ST AND 2ND COLUMNS													1ST AND 2ND COLUMNS												
<p>ca</p> <p>Improving the baking capacity of cereal flours. Mihal'y Vuk and SANDOR GOMONY. Brit. 367,700, Nov. 21, 1929. See Hung. 101,845 (C. A. 25, 2493) and Austrian 125,204 (C. A. 26, 1360)</p>																									
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12

Improvement of the baking power of cereal flours.
 Mihaly Vuk and Sándor Gombay. Hung. 110,524, Dec. 1,
 1938. Flour is made up to dough by adding twice as
 much water, then a part of the dough is decomposed by
 natural lactic acid fermentation and heated to a temp.
 below the coagulation temp. of proteins until the contours
 of the starch particles begin to disappear under the
 microscope. The mass is dried at a temp. not exceeding
 caramelization temp. and ground to flour. Such flour
 can be added to ordinary flours in amounts varying from
 4 to 6% of the prepn. is allowed to swell in water and
 added in this state to the dough.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

ca

Sodium content of the milk of various mammals.
 Mihály Vuk and Zoltán Sándor. *Magyarországi Kémiakönyv*,
 10, 303-7 (1937). -- Reichard's method (*C. A.* 31, 1916)
 for Na in wine was modified for use in milk analysis. Cow
 milk contained 0.281-308 (av. 0.290), sheep milk 0.347-
 435 (av. 0.398), goat milk 0.241-277 (av. 256) and human
 milk 0.0022-0.085 (av. 0.0352) g. Na per l. curds obtained
 from a milk sample contg. 0.308 g. Na per l. contained
 0.022 and the whey 0.284 g. Na. S. S. de Finály

VUKADIN, M.

Technological process for changing the orientation of production at the
sheet iron mill in Zemun. p. 401.
(Tehnika, Vol. 12, no. 3, 1957, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) ⁶LE, Vol. 6, no. 7, July 1957, Uncl.

VUKADINOVIC, Bogoljub, Major dr.

~~Modern treatment of rectal prolapse.~~ Voj. san. pregl.,
Beogr. 12 no.11-12:637-653 Nov-Dec 55.

1. Hirursko odeljenje Vojne bolnice u Nisu.

(RECTUM, dis.

prolapse, surg., rectosigmoidectomy. (Ser))

YUGOSLAVIA

VUKADINOVIC, Dj.; Department of Occupational Diseases (Odjel za profesionalne bolesti) [of Institute for Medical Research and Occupational Medicine (Zavod za medicinska istrazivanja i medicinu rada,) Zagreb.]

"Physiologic Tests in Occupational Medicine During Complete or Selective Systematic Examinations."

Zagreb, Arhiv za Higijenu rada i Toksikologiju, Vol 14, No 1, 1963; pp 59-60.

Abstract: Review of special colloquium by author, outlining studies in the Western literature in ergonomics and time-motion research, with some data also about a Yugoslav study with 760 respectively 1040 workers in the plants "Goran" and "Rade Koncar", pertaining both to work efficiency and screening of workers with cardiovascular and other diseases.

1/1

VUKADINOVIC, D.

DOGAN, S.; VUKADINOVIC, D.; LONGHINO, A.

Effect of largactil and phenergan on electroencephalography in epilepsy. Neuropsihijatrija 2 no.1-2:88-100 1954.

1. Neuropsihijatrijska klinika Medicinskog fakulteta (predstojnik prof. Dr. R. Lopasic) Institut za medicinska istrazivanja Jugo-slavenske Akademije (direktor prof. dr. B.Kesic). kirurska klinika Medicinskog fakulteta (predstojnik prof. dr.D. Juzbasic Zagreb)

(EPILEPSY, physiology,

eff. of chlorpromazine & promethazine on EEG)

(ELECTROENCEPHALOGRAPHY, in various diseases,

epilepsy, eff. of chlorpromazine & promethazine)

(CHLOROPROMAZINE, effects,

on epilepsy, EEG changes)

(ANTIHISTAMINICS, effects,

promethazine, on epilepsy, EEG changes)

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1ST AND 2ND CROISS													1ST AND 2ND CROISS												
<p>Nitrocellulose powders. M. VUKADINOVIC. <i>Arhiv. Hem. i Farm.</i> 6, 139-42 (142 French)(1930). —The influence of the percentage of NO_2 and the soly. of nitrocellulose on sp. gr. and ballistic properties of smokeless powders is evident from the numerous expts. It has been proved that max. pressure of combustion gas of the powder is the greater the smaller is the soly. of nitrocellulose and <i>vice versa</i>. On the other hand, shattering power of the powder is greater the higher is the content of N. The speed of a powder depends also on the N percentage in nitrocellulose. The max. pressure of combustion gas is in direct proportion to the content of N. The degree of gelatinization of a colloidal powder influences equally the sp. gr. J. K.</p>																									
<p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

1ST AND 2ND COLUMNS
3RD AND 4TH COLUMNS
PROCESSING AND PROPERTY INDEX

B-1.2

B-1.2

(Determination of ash content of coal. M. VUKADINOVIC (Bull. 121, China, Yugoslavia, 1936, 7, 35-39).—The temp. of combustion should be >700—800°.
R T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM STEELMAN

18104-1 MAY ONE ONE

181221ONE

FROM BOWLING

181181 ONE ONE ONE

FROM STEELMAN

18104-1 MAY ONE ONE

181221ONE

FROM BOWLING

181181 ONE ONE ONE

180 AND 179 GROUPS

PROCESSES AND PROPERTIES INDEX

181 AND 180 GROUPS

ca

21

ASH CONTENTS OF COAL. M. Vukadinovic. Bull. soc. chim. ser. Yougoslav. 7, No. 1, 35-4 (in French 39) (1934).—Burning of Serbian and Bosnian coals to det. ash must be carried out in an elec. furnace at 700-800°, because at 800-1020° some salts decomp. J. G. T.

ASO-SLA METALLURGICAL LITERATURE CLASSIFICATION

180A SCHWAB

181A SCHWAB

VUKADINOVIC, Milutin, 18z. (Beograd, Sumatovaacka 51)

Means of personal safety during the work. Tehnika Jug 17
no.7:Suppl.: Organizacija rada 12 no.7:1415-1420 J1 '62.